

## ABSTRACT OF THE DISCLOSURE

A starter system for polymerization of unsaturated monomers in a nonaqueous media is provided. The starter system comprises a peroxide compound (0.02% to 7%), an organic hydrazine derivative (0.005% to 3%) and a transition metal ion (1 to 1000 ppm) the concentration based on the polymerization mixture as a whole. The starter system prevents rapid polymerization and development of heat in the polymerization system at the beginning of the polymerization. The preferred nonaqueous solvents are aromatic hydrocarbons.